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Space and Naval Warfare Systems Command (20363-5100)  
Naval Air Systems Command (20361-0001)  
Washington, DC

SPAWARINST 5430.35A  
NAVAIRINST 5400.135A  
PMW/PMA 167  
26 Sep 91

SPAWAR INSTRUCTION 5430.35A  
NAVAIR INSTRUCTION 5400.135A

From: Commander, Space and Naval Warfare Systems Command  
Commander, Naval Air Systems Command

Subj: DESIGNATION OF NAVSTAR GLOBAL POSITIONING SYSTEM (GPS)  
PROGRAM OFFICE (PMW/PMA 167)

Ref: (a) SECNAVINST 5000.1C  
(b) SECNAVINST 5420.188B

(R)

Encl: (1) Charter for the Navy NAVSTAR Global Positioning System  
(GPS) Program Manager (PMW/PMA 167), with Appendices A  
and B

1. Purpose. To continue the Navy NAVSTAR GPS program following the provisions of reference (a); and issue a revised charter (enclosure (1)).

2. Cancellation. This instruction supersedes joint SPAWAR Instruction 5430.35 and NAVAIR Instruction 5400.135 of 30 October 1989.

3. Background

a. In April 1974 the Secretary of Defense designated the Air Force as Executive Service for development of a defense navigation satellite system. A Joint Service Charter was issued on 2 February 1975 for the NAVSTAR GPS, which was designated as an Acquisition Category I joint service program. Navy responsibilities include: (1) management of development, test, and deployment of GPS user equipment (UE) in a wide variety of Navy, Marine Corps, and Coast Guard ground, air, surface, and submarine platforms, and (2) development/implementation of Navy peculiar logistics life cycle support for GPS UE.

b. Space and Naval Warfare Systems Command (SPAWARSYSCOM) has been designated execution agent for Navy participation in the joint service GPS program. The program manager (PM) for the Navy NAVSTAR GPS program requires dual hatted authority and responsibilities within SPAWARSYSCOM and Naval Air Systems Command (NAVAIRSYSCOM). The double hat will facilitate interaction between the program manager and integration planning and execution within NAVAIRSYSCOM for air platforms.

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4. Objective. To issue a revised Program Charter, enclosure (1), and to provide for:

a. Centralized management required for program execution for Navy NAVSTAR GPS.

b. Clear delineation of management responsibility and authority within SPAWARSYSCOM and NAVAIRSYSCOM for the GPS program.

5. Action


a. The PM of the Navy NAVSTAR GPS program is designated PMW/PMA 167 (formerly PMW/PMA 142). (R)


b. Per references (a) and (b), the PM receives authority from and is directly responsible and accountable to COMSPAWARSYSCOM, who is the Program Executive Officer (PEO) for the Navy GPS program.

c. Program Director, Information Management Systems Program Directorate (PD 60) will provide supervisory oversight and guidance to PMW 167 for program execution and life cycle management, make recommendations as appropriate, and advise COMSPAWARSYSCOM of program status and progress. (R)

d. Deputy Commander for Acquisition and Operations (AIR-01) will provide supervisory oversight and guidance to PMA-167 for the air applications of the GPS system and its integration into naval air platforms, make recommendations as appropriate, and advise COMNAVAIRSYSCOM of program status and progress. (R)

e. Duties, responsibilities, and authorities are delineated in enclosure (1).

  
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CHARTER  
FOR THE NAVY  
NAVSTAR GLOBAL POSITIONING SYSTEM (GPS) PROGRAM MANAGER  
PMW/PMA 167

Ref: (a) SECNAVINST 5000.1C  
(b) SECNAVINST 5420.188B

(R)

1. System Description. NAVSTAR GPS is composed of three main segments:

a. The space segment consists of a constellation of satellites to provide extremely accurate and continuous three-dimensional position, velocity, and time information to suitably equipped users anywhere on or near the earth.

b. The control segment consists of a master control station, ground antenna, five monitor stations and alternate control station. The master control station collects satellite tracking data relayed from the monitor stations, generates new space vehicle ephemerides and clock offset updates, and passes this updated and corrected data to the ground antennas for transmission to the satellites.

c. The joint service user equipment (UE) has been developed to provide maximum commonality, with standardized components and interfaces, to satisfy the majority of military operational needs. The UE includes antenna, antenna preamplifier, control display unit, receiver processor, and digital to analog converter.

(R)

2. Scope of the Program. NAVSTAR GPS is an Acquisition Category (ACAT) I program, with the U.S. Air Force designated as the executive service. The Navy program is funded under program element numbers 0604777N, 0305164N, 0701113Y, and 0804771Y for development, procurement, life cycle engineering and support, program management, and training. NAVSTAR GPS is planned for integration into all major Navy combatant and support air and sea platforms. The Navy GPS Air Installation/Integration Program, Project X0921-1 is assigned ACAT III and includes integration of joint service UE and development of Navy unique GPS UE for naval air applications.

(R)

3. Authority and Responsibilities of the Program Manager (PMW/PMA 167)

a. The Navy GPS Program Manager (PM) will exercise the authority delegated by Commander, Space and Naval Warfare Systems Command (COMSPAWARSYSCOM) and Commander, Naval Air Systems Command (COMNAVAIRSYSCOM) in all matters within the scope of this Charter and covering equipment managed by PMW/PMA 167.

Enclosure (1)

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b. The Navy GPS PM is the central executive responsible for the successful accomplishment of all assigned objectives. The PM is the focal point for planning, guidance, and direction to whatever degree is necessary for effective and timely execution of the program.

c. As the responsible executive, the Navy GPS PM is expected to act on his/her own initiative in matters affecting the program. Unresolved issues or conflicts which may develop that the PM cannot resolve with the Naval systems commands' (SYSCOMS) functional codes, designated PM's, or SPAWARSYSCOM organization will be referred to the appropriate SYSCOM Commander, and if not resolved at that level, to the Chief of Naval Operations (CNO) for final resolution. The action directed by the PM will proceed during the period pending resolution. The PM will follow existing management directives, particularly with regard to the control of funds, in directing such action.

d. The Navy GPS PM is delegated the executive responsibilities in paragraph 7 of enclosure (1) to reference (a). The following responsibilities are also assigned:

(1) Provide centralized direction, management, integration, and coordination over the total Navy GPS program to meet requirements established by CNO. The PM will consult with and advise COMNAVAIRSYSCOM, COMSPAWARSYSCOM, and CNO regarding the status and progress of the overall Navy GPS program and progress in implementing requirements.

(2) Exercise centralized direction, management, integration and coordination over preparation, submission, and justification of budget items at the Navy NAVSTAR GPS level, including air platform Research, Development, Test and Evaluation requirements at the GPS UE test bed level. Funds and material resources identified with PE's, or parts thereof, are listed in the Future Years Defense Program. The PM will be responsible for administrative assignment of funds to development agencies. (R)

(3) Coordinate aircraft installation plans/funding requirements with appropriate NAVAIR program managers, air (PMA's) and generate a consolidated airborne integration plan.

(4) Exercise centralized direction, management, architectural integration, and coordination over development, acquisition, and logistic support of the Navy NAVSTAR GPS by:

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(a) Coordinating the Navy GPS configuration management requirements for Joint Program Office (JPO) UE with the JPO to ensure compatibility and interoperability of the GPS system. The PM will provide representation on the Joint Service Configuration Control Board (CCB) through the Navy Deputy to the GPS JPO or its successor. The Navy Configuration Manager is PMW/PMA 167.

(b) Initiating, implementing, and coordinating Navy development plans, decision coordinating papers, advance procurement plans, program management proposals, and integrated logistics support plans for Navy NAVSTAR GPS where required.

(c) Evaluating progress of and preparing certification of approval for operational testing of NAVSTAR GPS in Navy platforms.

(d) Ensuring satisfaction of those Navy training requirements for NAVSTAR GPS UE managed by the PM, and stating personnel training requirements to the Commander, Naval Military Personnel Command for appropriate GPS items.

(e) Ensuring adequate planning, funding, and execution of logistic support for Navy NAVSTAR GPS items, ensuring that Navy-unique integrated logistic support elements and requirements are specifically addressed and incorporated consistent with overall Navy objectives and requirements. The PM is fully accountable for the Navy GPS systems throughout their life cycle.

(f) Coordinating requirements for all fleet assist services for the technical evaluation and operational evaluation (OPEVAL) of the Navy GPS system installations.

(g) Coordinating, developing, and issuing the master Navy GPS implementation plan based on realistic schedules as established by the SYSCOMS concerned.

(h) Establishing Navy NAVSTAR GPS test criteria, coordinating system test activity, reviewing adequacy of test plans, and evaluating test results.

(i) Establishing and controlling GPS system specifications to ensure required performance of GPS systems in Navy platforms.

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4. Relationship to Chartering Authority/Special Operating Relationships

a. COMSPAWARESYSCOM. The PM receives authority from and is directly responsible and accountable to COMSPAWARESYSCOM, the Program Executive Officer, for discharge of the latter's responsibilities for Navy GPS programs within the scope of references (a) and (b), and this charter. COMSPAWARESYSCOM and COMNAVAIRSYSCOM shall prepare and sign the fitness report for the PM. COMSPAWARESYSCOM will prepare the PM's fitness report as regular reporting senior and COMNAVAIRSYSCOM will be concurrent reporting senior per NAVMILPERSCOM Instruction 1611.1A.

b. U.S. Air Force. The Air Force is designated executive service for the joint service GPS program. The GPS Joint Program Office (JPO) is located at the Air Force Space Systems Division, Air Force Systems Command, Los Angeles, California. The Navy Deputy Joint Program Director (NDJPD) is located at the JPO. The Air Force has established a Joint Service System Management Office (JSSMO) at Warner Robins Air Logistics Center to assume the program management responsibility for the Operational Phase of the joint program. A Navy Deputy is assigned to the JSSMO.

c. NDJPD for GPS. The NDJPD is assigned to the JPO, reporting to the Commanding Officer of the Navy Space Systems Activity, Los Angeles for duty and to PMW 167 for additional duty. The NDJPD assists the JPO in planning, organizing, coordinating, controlling, and directing the definition, development, production, procurement and financial management of the joint GPS program. As such, the NDJPD is the single point of contact between PMW 167 and the JPO. He/she will assure that Navy specific requirements are properly considered in all appropriate elements of the approved joint program. He/she will represent PMW/PMA 167 in matters related to the management and day-to-day execution of the approved joint program. He/she will comply with the established lead service policies, implementing directives, this charter, and the joint operating procedures. He/she is the Navy representative to the GPS Joint CCB, joint service reviews, joint service working groups, and joint program management meetings.

d. Navy Deputy at the JSSMO. A Navy Deputy is assigned to the JSSMO, reporting to the Commanding Officer of the Navy Space Systems Activity, Los Angeles for duty and to PMW/PMA 167 for additional duty. He/she assists the JSSMO in planning, organizing, coordinating, controlling, and directing the definition, development, production, procurement and financial

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management of the joint JSSMO GPS program. As such, he/she is the single point of contact between PMW/PMA 167 and the JSSMO. He/she will assure that Navy specific requirements are properly considered in all appropriate elements of the approved joint program. He/she will represent PMW/PMA 167 in matters related to the management and day-to-day execution of the approved joint program. He/she will comply with the established lead service policies, implementing directives, this charter, and the joint operating procedures. Upon completion of program management transition from the JPO to the JSSMO, he/she is the Navy representative to the GPS Joint CCB, joint service reviews, joint service working groups, and joint program management meetings.

e. CNO. The Navy GPS program sponsor is the Director, Space and Electronic Warfare, OP-094. The requirements officer is the Head, Navigation/Environmental Systems Branch, OP-943D. The GPS APN Resource Sponsor is the Common Avionics Requirements Officer, OP-505D. The requirements officers are responsible within CNO and between CNO and the Air Force staff for coordination of the various issues concerning Navy policy, requirements, resources, and schedules. Under the direction of the program sponsor, CNO (OP-943D) coordinates the programming and budgeting for Navy Research, Development, Test and Evaluation (RDT&E) for Navy development and integration of GPS; Other Procurement, Navy (OPN) and Ship Building and Conversions, Navy (SCN) systems procurement and installation requirements for ships and submarines; and Operations and Maintenance, Navy (O&M,N) requirements for installation, training, management and other program needs. The Aircraft Procurement, Navy (APN) Resource Sponsor coordinates programming and budgeting for systems procurement and installation requirements for aircraft. (R)

f. COMNAVAIRSYSCOM. COMNAVAIRSYSCOM is a primary participant in the Navy GPS program for the assigned responsibility for airborne electronics (avionics). The PM receives authority from and is directly responsible and accountable to COMNAVAIRSYSCOM for the discharge of the latter's responsibility for the integration of GPS systems into air platforms, and coordinating budgeting for and procurement of GPS equipments, installations, life cycle cost and logistic support in assigned air platforms. The Deputy Commander for Acquisition and Operations (AIR-01) provides oversight and program guidance within the Naval Air Systems Command for GPS air applications and integration of GPS into air platforms. (R)

g. Commander, Naval Sea Systems Command (COMNAVSEASYSKOM). COMNAVSEASYSKOM is a primary participant in the Navy GPS program for the assigned responsibility for shipboard systems. COMNAVSEASYSKOM is responsible for the installation of GPS on shipboard platforms in consonance with the responsibility of



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PMW/PMA 167 for Navy participation in the joint program for development, procurement, and support of GPS hardware and software.

h. Director, Information Management Systems Program Directorate, PD 60. PD 60 provides coordination and oversight across the various program management offices, including SPAWAR manpower authorizations. PD 60 provides oversight to ensure program execution following applicable policy and directives and: (R)

(1) Certifies to COMSPAWARSYSCOM that all operational systems are ready for Navy OPEVAL.

(2) Provides control to assure timely responses to reported deficiencies and corrective actions.

(3) Provides oversight for system specification operational performance requirements of assigned GPS UE.

(4) Approves Navy Configuration Management plans for systems under the purview of this charter.

5. Supporting/Participating Organizations. Support is provided by the government activities listed in appendix A. Contracting support is furnished by the Director of Contracts (SPAWAR 02) and by the Assistant Commander for Contracts (AIR-02). Financial management support is furnished by the Comptrollers (SPAWAR 01 and AIR-08). The Public Affairs Office (SPAWAR 08L) is responsible for the coordination and/or dissemination of public information relating to the Navy GPS program within the Department of the Navy. Release of general GPS information to legislative bodies, industry, and to the general public will be in coordination with Air Force Space Division, Information Office (SD/IO) following joint program directives. (R)

6. Staffing and Organization. Appendix B contains the PMW/PMA 167 internal organization and staffing plan. SPAWARSYSCOM provides military and civilian manpower for responsibilities associated with the assigned JPO UE. NAVAIRSYSCOM provides support to the PM through the Assistant Commander for Fleet Support and Field Activity Management (AIR-04) for logistics and the Assistant Commander for Systems and Engineering (AIR-05) for engineering in air platforms. Program Office staffing for any additional assigned responsibilities associated with air platforms non-JPO UE and/or components, such as GPS embedded equipment, will be provided by NAVAIRSYSCOM.

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